



Especialistas en mecánica de fluidos

ER Screen



INTRODUCTION:

The "ER" model screen cleaner is a machine with simple and robust design which includes a filtering grid with straight bars. Its use is recommended in deep channels with widths below 3 meters.

DESCRIPCIÓN:

The grille is comprised by a series of straight bars welded to a flat rim, which is supported on the bottom and normally forms a 75° angle in relation to it. The bars emerge above the maximum water elevation. Above this elevation, the rough solids slide over a deadplate, which ends at the foreseen discharge height.

The bars form a curve in its interior section, which facilitates the extraction of the stored solids. The cleaning rakes are manufactured with 12-mm thick plate for the thick solid grilles and from 15 to 20-mm plate for fine solid grilles; it has a modular construction which permits easy replacement. The rakes are attached to two supports, rake-carriers, bolted to two transport chains with 5,500 Kg of breakage load, operated by two wheels located in the tractor axis. The set is operated by an electric gearbox.

Its operation is very simple. Upon receiving the start command, the drive axle start spinning dragging the two chains that support the cleaning rakes. The chains are completely guided in both upstream and downstream guides by forming two parallel lines of sliding together at the bottom by a half circumference. In the down race, rake cleaning it stays out of the gate but to get to the bottom perfectly penetrates through the bars and starts the drag of waste in its upstream. When the rake reaches the discharge zone reaches a squeegee ejector solids, to pivot about its own axis, makes cleaning element facilitating discharge of the waste.



Especialistas en mecánica de fluidos

FEATURES

- Simple but sturdy design.
- Driving chains with a breaking load of 5500 Kg.
- Rakes are of modular construction allowing easy replacement and maintenance.
- Rakes configurable number depending on the application and size.
- Easy installation in existing channels.
- Installation is done with screws Hilti or similar over the ground level and / or in the walls of the channel.
- Easy operation and maintenance of them

GENERAL DIMENSIONS:

